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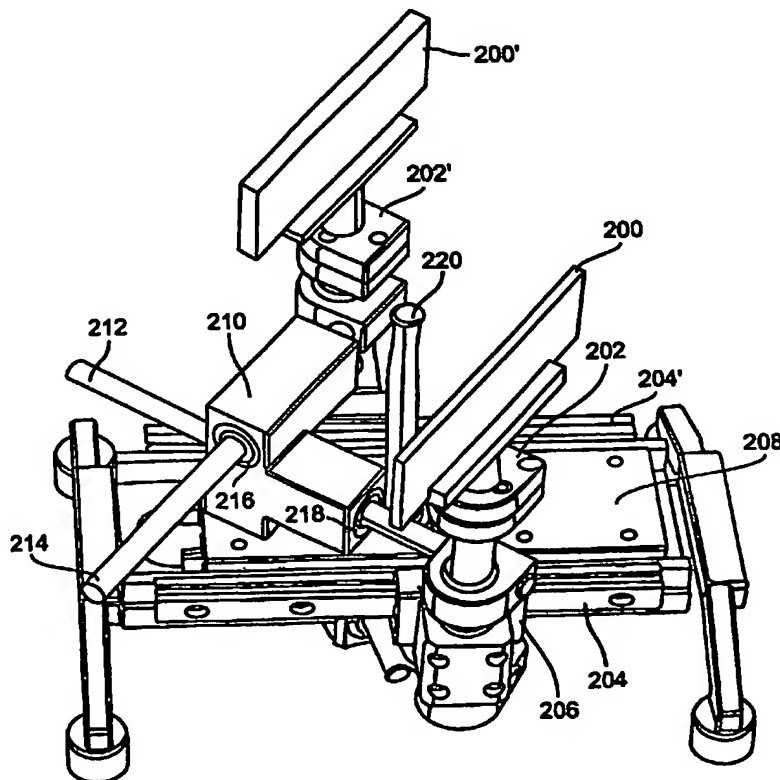
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(54) Title: DOUBLE CRYSTAL ANALYZER LINKAGE



(57) **Abstract:** A double crystal analyzer linkage includes the fixed pivot point, a fixed pivot point shaft, and three sliding axis points constrained to allow only sliding motion along given linear, parallel paths. The three paths are arranged such that one path passes through the fixed pivot point shaft on a central path and the two remaining paths are on opposite sides and equidistant from the central path. Two diffracting devices (200, 200') are mounted to axis points which traverse the outer paths (204, 204'). A right angle slide (210) constrains the two linear paths to only slide through a single axis point and constrains the two linear paths to be at right angles to each other. An inline slide constrains two paths to slide through a single axis point, and constrains the two paths to be parallel to each other. First (212) and second linkage (214) devices are connected to the right angle slide (210) and the two remaining axis points, and constrain the two diffracting devices (200, 200') to remain parallel at all times.



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